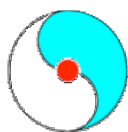




PHENIX status & Run-6 plan

Abhay Deshpande
Stony Brook & RBRC

Time & Planning Meetings
January 24th, 2006





Status

As of last night we have whole of PHENIX+ detector back and powered and is awaiting completion of the BLUE Sheeting by the C-A department

The highlights of the last 4 weeks:

- Recovery from the water leak (BBC and MuTr)
- Muon Piston Calorimeter (S) installed & cabled, MuTr.S tested
- New rack for (test) HBD installed & powered
- East Carriage Rolled in and connected (power, water, gas, safety system, laser fiber)
- CAD energized magnet PS and tested magnet interlocks
- Pink sheet checkout of all racks & EMCAL sectors over the weekend

To Do: Blue sheets by 1/27, **shield wall construction**, flammable gas & 2person shifts 2/7, **DAQ testing & debugging**



Big Thanks to PHENIX 1008 Team

CARTER BIGGS, STEVE BOOSE, PAUL GIANNOTTI, KENNY JONES, JIM LABOUNTY, MIKE LENZ, DON LYNCH, SAL MARINO, ROB PISANI, SAL POLIZZO, MIKE RAU, SEAN STOLL, FRANK TOLDO, AND JOHN TRADESKI

**ALSO TO
JOHN HAGGERTY & ACHIM FRANZ**

**AND OF COURSE
CHARLIE PEARSON ET AL. &
THE REST OF THE C-A DEPARTMENT**



EC Rolls in: Film

<http://runcontrol.phenix.bnl.gov/~haggerty/pcam/ECRollingIn.mov>



Run-6 Run Plan

- 4.0 weeks of transverse physics (radial polarization) 200 GeV CM
 - Measurement of Sivers function with back-to-back di- π^0 correlation
- 2.0 weeks of transverse physics 62.4 GeV CM
 - **Yes, smaller data set is better than no data set. PHENIX would like this data set.**
- 0.5 weeks of 22 GeV CM
 - This is the best chance to get these data, and would be crucial comparison data set for the Cu-Cu data we already have at this CM energy
- 6.5 weeks of 200 longitudinal physics 200 GeV CM
 - With good polarization, this will potentially improve our Run-5 data set by factors of 5-7 in P^4L
- 1.0 weeks of 500 GeV CM polarized pp machine setup with expectation of 4-5 shifts of data taking
 - We will use this to study EMCal thresholds, trigger setups and PHENIX local polarimetry